

**Method of operating internal combustion engine****Patent number:** AT5646U**Publication date:** 2002-09-25**Inventor:** UNGER EDUARD DIPL ING (AT); FUERHAPTER  
ALOIS DIPL ING (AT)**Applicant:** AVL LIST GMBH (AT)**Classification:****- international:** F02B11/00; F02D21/00; F02D41/00**- european:** F02D21/00; F02D35/02; F02D41/14F2; F02D41/30C2D;  
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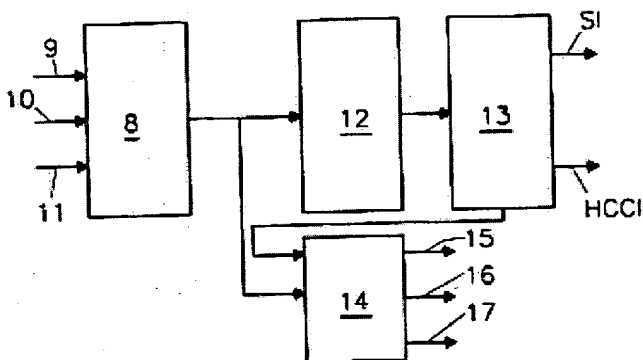
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The invention relates to a method of operating an internal combustion engine that relies for operation, in at least one operational range of the engine, on the autoignition of an at least almost homogeneous fuel-air mixture, the combustion being measured and at least one parameter for the combustion in the next cycle being set in function of a signal obtained from this measurement. In order to reduce fuel consumption and emissions and to achieve direct conversion of the load requirements, there is provided that the four cycle internal combustion engine relies for operation, in at least one second operational range, on the spark ignition of an at least almost homogeneous fuel-air mixture and that the combustion event is controlled, both in the first and in the second operational range of the engine, largely independent of the torque of the internal combustion engine.



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